

AMENDMENTS

Please amend the application as indicated hereafter.

In the Claims

Please amend the claims as indicated hereafter (where underlining “_” denotes additions and strikethrough “-” denotes deletions).

1.-18. (Canceled)

19. (Currently Amended) A method of providing statistics for billing users of data services provided over a cable television network comprising the steps of:

monitoring a length of an upstream connection of a network access device and storing data related ~~thereto~~ to said length of said upstream connection of said network access device;

monitoring an amount of data transmitted across said upstream connection and storing data related ~~thereto~~ to said amount of data transmitted across said upstream connection; and

monitoring an amount of data rejected as exceeding a requested bandwidth and storing data related ~~thereto~~ to said amount of data rejected as exceeding said requested bandwidth.

20. (Previously Presented) The method of claim 19, further comprising:

monitoring and storing the start time of the connection.

21. (Canceled)
22. (Previously Presented) The method of claim 19, further comprising:
recording an address of the network access device and of the apparatus to
which said network access device is linked during said connection.
23. (Previously Presented) The method of claim 19, further comprising:
providing a plurality of service tiers depending on maximum shared bandwidth
or bit rate.
24. – 25. (Canceled)
26. (Currently Amended) The method of claim 19, further comprising:
storing a ~~preauthorized~~ authorized level of service data for subscribers, an
administration computer communicating said authorized ~~preauthorized~~ level of service
to a link access controller for regulating service at said authorized ~~preauthorized~~ level.
27. (Previously Presented) The method of claim 19, further comprising:
receiving parametric statistical data for a session of a network access device at
an administration computer.
28. (Previously Presented) The method of claim 27, wherein said parametric statistical
data comprises amount of data transferred.

29. (Currently Amended) The method of claim 23, further comprising:
- storing ~~a preauthorized~~ an authorized level of service data for subscribers, an administration computer communicating said authorized ~~preauthorized~~ level of service to a link access controller for regulating service at said authorized ~~preauthorized~~ level.
30. (Previously Presented) The method of claim 27, further comprising:
- monitoring the bit error rate of the data transmitted across said upstream connection and storing data related thereto.
31. (Previously Presented) The method of claim 30, further comprising:
- monitoring and storing the start time of the connection.
32. (Currently Amended) A method of providing statistics for billing users of data services provided over a cable television network comprising the steps of:
- monitoring a length of an upstream connection of a network access device and
- storing data related ~~thereto~~ to said length of said upstream connection of said network access device;
- monitoring an amount of data transmitted across said upstream connection and
- storing data related ~~thereto~~ to said amount of said data transmitted across said upstream connection; and

monitoring ~~the~~ a bit error rate of ~~the data transmitted across~~ said upstream connection and storing data related ~~thereto~~ to said bit error rate of said upstream connection.

33. (Previously Presented) The method of claim 32, further comprising:

monitoring and storing the start time of the connection.

34. (Previously Presented) The method of claim 32, further comprising:

recording the address of the network access device and of an apparatus to which said network access device is linked during said connection.

35. (Previously Presented) The method of claim 32, further comprising:

providing a plurality of service tiers depending on a maximum shared bandwidth or bit rate.

36. (Currently Amended) The method of claim 32, further comprising:

storing ~~a preauthorized~~ an authorized level of service data for subscribers, an administration computer communicating said authorized ~~preauthorized~~ level of service to a link access controller for regulating service at said authorized ~~preauthorized~~ level.

37. (Previously Presented) The method of claim 32, further comprising:

receiving parametric statistical data for a session of a network access device at an administration computer.

38. (Previously Presented) The method of claim 37, wherein said parametric statistical data comprises the total amount of data transferred.
39. (Previously Presented) The method of claim 32, further comprising:
monitoring an amount of data rejected as exceeding a requested bandwidth and storing data related thereto.
40. (Currently Amended) The method of claim 39, further comprising:
storing a ~~preauthorized~~ an authorized level of service data for subscribers, an administration computer communicating said authorized ~~preauthorized~~ level of service to a link access controller for regulating service at said authorized ~~preauthorized~~ level.
41. (Previously Presented) The method of claim 39, further comprising:
providing a plurality of service tiers depending on a maximum shared bandwidth or bit rate.